



Lumina's Rays

Suite: Elemental Spirits

by Arya Akhavan (September 2012)

Angles for R.I. = 1.540

108 + 17 girdles = 125 facets

1-fold, mirror-image symmetry

96 index

L/W = 1.333 T/W = 0.500 U/W = 0.250

P/W = 0.581 C/W = 0.181

Vol./W³ = 0.380

PAVILION

P1	42.09°	18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78	Cut to centrepoint.
G1	90.00°	18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78	Set stone size.
P2	41.09°	16-24-28-68-72-80	Meet P1, G1
G2	90.00°	96	Meet P1, G1, P2
P3	45.20°	08-88	Meet at culet.
P4	50.82°	05-91	Meet at P1, G1, P2, P3
P5	75.05°	96	Meet at P1, G1, P2, P3, P4 (level girdle)

CROWN

C1	36.65°	18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78	Set girdle width.
C2	35.24°	96	Level girdle.
C3	31.83°	16-24-32-40-48-56-64-72-80	Meet G1, C1
C4	20.62°	22-26-30-34-38-42-46-50-54-58-62-66-70-74	Meet C1, C3
C5	35.80°	20-28-36-44-52-60-68-76	Meet C1, G1 (overwrite old meet)
C6	21.12°	20-28-36-44-52-60-68-76	Meet C1, C3, C5
C7	16.47°	22-26-30-34-38-42-46-50-54-58-62-66-70-74	Cut a step to 50% of C4.
C8	16.88°	20-28-36-44-52-60-68-76	Meet C4, C6
C9	26.71°	96	Meet C2, C6, C8
C10	5.34°	96	Meet C7, C8, C9
T	0.00°	Table	Meet C7, C8; C7, C10

This design was inspired by the thought of the sun rising through a Mayan temple. The facets on the 96 evoke stairs, leading to an archway at the top where the sun rises through. You may need to adjust angles for C9 and C10 based on your C7 step width. Works in materials from feldspar to CZ (RI = 1.52 - 2.16) with no changes.

Suggested width = 8-12 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Lumina's Rays.gem